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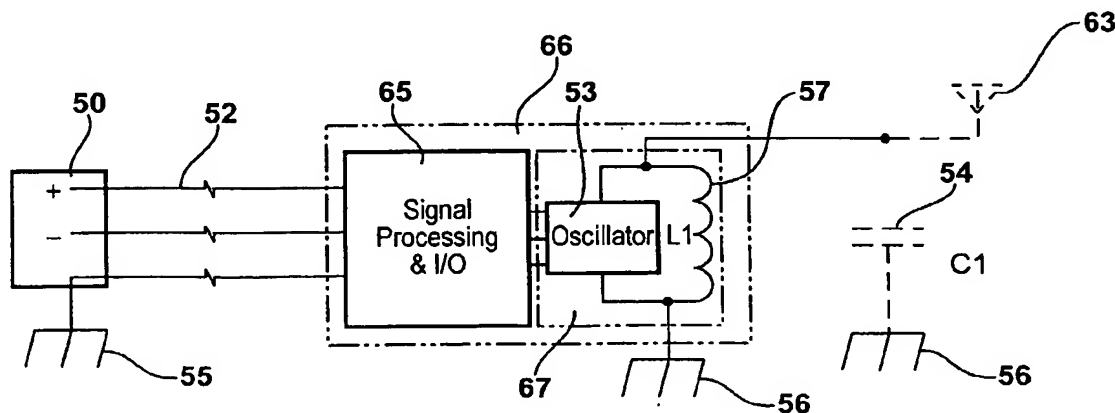
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(54) Title: METHOD OF STEERING CAPACITOR FIELDS FOR USE IN CAPACITIVE SENSING SECURITY SYSTEMS



(57) Abstract: The present invention provides a capacitive sensing apparatus (10) having utility in object detection security applications whereby the object detection field (160) generated by the apparatus is made steerable. The apparatus includes a power source (76) having a ground connection (77) in communication with at least one sensing circuit (82) operative to detect an object (84) moving within the sensing field. At least one conductive element (75) is provided in communication with electrical ground. To steer the direction of the sensing field, the relative position and distance between the conductive element and the sensing circuit is adjusted such that a desired sensing field pattern is obtained.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/39235

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G08B 13/26

US CL : 340/562, 540, 541, 545.1; 324/76.52, 76.53, 686

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 340/562, 540, 541, 545.1; 324/76.52, 76.53, 686

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y,E	US 6,731,209 B2 (WADLOW et al.) 04 MAY 2004 (04.05.2004), see entire document.	1-17
Y	US 5,442,347 A (VRANISH) 15 AUGUST 1995 (15.08.1995), see entire document.	1-17
Y	US 5,952,835 A (COVELEY) 14 SEPTEMBER 1999 (14.09.1999), see entire document.	1-17



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